[illegible]

[illegible]

[illegible]

[illegible]

[illegible] leukotomy [illegible] [1][illegible]

[illegible] leukotomy [illegible]

[illegible]

[illegible]

[illegible]: to be "a leader to the Greeks and a despot to the barbarians, to look after the former as after friends and relatives, and to deal with the latter as with beasts or plants"[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible] [2][illegible]

[illegible] leukotomy [illegible]

[illegible]Leukotomy [illegible]

Leukotomy [illegible]

1[illegible] personalities [illegible] mental diseases[illegible]

2[illegible] leukotomy [illegible] leukotomy [illegible]

3[illegible] personality [illegible] intelligence [illegible] Walter Freeman [illegible] personality [illegible] intelligence [illegible] [3][illegible]

[illegible] personality [illegible] intelligence[illegible] personalities [illegible] mental diseases[illegible] personality [illegible] intelligence [illegible] personality [illegible] intelligence [illegible]

[illegible] personality [illegible] intelligence [illegible] personalities [illegible] mental diseases[illegible] personality [illegible] intelligence [illegible]

Leukotomy [illegible]

[illegible] Turing Test [illegible]Nature [illegible] AlphaGo Zero [illegible] superhuman [illegible] superhuman [illegible] generic [illegible] human[illegible]

Leukotomy [illegible] Nature [illegible] AlphaGo Zero [illegible] superhuman [illegible] peer review [illegible]Peer review [illegible] [4][illegible]

[illegible]leukotomy [illegible]

[illegible]AlphaGo Zero [illegible] Superhuman [illegible]

Nature [illegible] AlphaGo Zero [illegible] AlphaGo Zero [illegible] superhuman [illegible] performance[illegible] superhuman [illegible] generic [illegible] human[illegible] superhuman [illegible]

AlphaGo Zero [illegible] AlphaGo Master [illegible] superhuman [illegible] generic [illegible] superhuman [illegible] game [illegible]

[illegible] game [illegible] superhuman [illegible]

[illegible] AlphaGo Zero [illegible] superhuman [illegible] AlphaGo Zero [illegible]

[illegible]AlphaGo Zero [illegible] superhuman [illegible]

[illegible] Deepmind [illegible] [5][illegible]

AlphaGo Master [illegible] AlphaGo Master[illegible]AlphaGo Master [illegible] AlphaGo Zero [illegible] AlphaGo Master [illegible] AlphaGo Master [illegible]

[illegible] AlphaGo Zero [illegible] AlphaGo Master [illegible] AlphaGo Zero [illegible][6][illegible]AlphaGo Master [illegible] 16 [illegible] AlphaGo Zero [illegible] 18 [illegible] AlphaGo Zero [illegible] 14[illegible]16 [illegible] 45 [illegible]

1[illegible] Nature Magazime [illegible] AlphaGo [illegible]Deepmind [illegible] AlphaGo Zero [illegible] AlphaGo Master [illegible]

2) [illegible] AlphaGo Zero [illegible] local trap[illegible]AlphaGo Zero [illegible] superhuman [illegible]

[illegible] AlphaGo Zero [illegible] AlphaGo Master[illegible] AlphaGo Master [illegible] AlphaGo Master[illegible] AlphaGo Master [illegible] [7][illegible]Nature [illegible] AlphaGo Zero [illegible] AlphaGo Master [illegible] deep-learning [illegible]AlphaGo Master [illegible]

[illegible] AlphaGo Zero [8][illegible] superhuman [illegible] AlphaGo Zero [illegible]

[illegible] AlphaGo [illegible] generic human [illegible] Deepmind [illegible] AlphaGo [illegible] AlphaGo [illegible] AlphaGo [illegible]

[illegible] AlphaGo [illegible] AlphaGo [illegible] [9][illegible]

[illegible] Turing Machine [illegible] AlphaGo [illegible] AlphaGo Zero [illegible] AlphaGo Master[illegible] AlphaGo Zero [illegible] AlphaGo Zero [illegible]

[illegible]

[illegible]

[illegible]:“Go gaming is strictly defined within a very small space. Industrial automations are typically designed in well controlled environments, but not strictly defined. Car driving is regulated, but the environment is not well controlled”[illegible]

[illegible]

[illegible] SAE level 5 [illegible] SAE level 4 [illegible] SAE level 4 [illegible] SAE level 4 [illegible]

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[illegible] [illegible] [10][illegible]

[illegible]

[illegible]

Universal approximation theorem [illegible] Turing Machine [illegible]

[illegible] Technological Singularity[illegible]

[illegible]

[illegible]

1949 [illegible] leukotomy [illegible]

Turing Test [illegible] AI[illegible]A Modern Approach [illegible] Wind Tunnel approach [illegible] Nature [illegible] AlphaGo Zero [illegible] superhuman [illegible]Technological Singularity[illegible]In Math We Trust[illegible]“[illegible]”[illegible] [11][illegible] [12][illegible]

[illegible] Karl Popper [illegible]

[illegible] [13][illegible]

[illegible]Occam's Razor[illegible]

Occam's Razor [illegible] Occam's Razor [illegible]

[illegible] Occam's Razor [illegible] Leukotomy [illegible]

[illegible]

[illegible]

[illegible] Gu Test：A Progressive Measurement Of Generic Artificial Intelligence [illegible]

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[illegible] [15]。

[illegible] [16] [illegible]

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[illegible]

[illegible] Chinese room [illegible]

[illegible]

[illegible] dataset [illegible] SQuAD [illegible] CoQA [illegible] QuAC [illegible] GLUE [illegible] dataset [illegible] Chinese room [illegible]

NLVR^2 [illegible] Natural Language for Visual Reasoning for Real [illegible] testset [illegible] GLUE [illegible] generic [illegible]

[illegible] Testsets [illegible] AI: A Modern Approach [illegible]

[illegible] guideline [illegible] judgement [illegible]

[illegible] Chinese room [illegible]

[illegible]

[illegible] Leukotomy [illegible] AI: A Modern Approach [illegible]

[illegible]

[illegible]“[illegible]”[illegible] AlphaGo Zero [illegible] AI: A Modern Approach [illegible] [20] [illegible]

[illegible] AI: A Modern Approach [illegible] AI [illegible] AI [illegible]

[illegible]

[illegible]

[illegible] Chinese room [illegible]

[illegible]

[illegible] [21][illegible]

[illegible]

[illegible]

[illegible]

1989 [illegible]“[illegible]”[illegible]

[illegible] AlphaGo [illegible] Socratic [illegible]

[illegible] 2015 [illegible] Bohunt Chinese School [illegible] BBC [illegible] Are Our Kids Tough Enough ? [illegible]

[illegible] 2012 [illegible] PISA [illegible] 2015 [illegible] 2018 [illegible] PISA [illegible]

[illegible]Bohunt Chinese School [illegible] Bohunt [illegible] [22][illegible]

[illegible] PISA [illegible]

[illegible] Bohunt [illegible] Confucianism[illegible]

[illegible] Bohunt [illegible]

[illegible]

[illegible]

[illegible] discipline [illegible] competition[illegible] discipline [illegible] Bohunt [illegible] Socratic [illegible]

[illegible] competition[illegible]

[illegible]“[illegible]”[illegible] 2012 [illegible]

[illegible]

[illegible] [23][illegible]

[illegible]

[illegible]

[illegible] Karl Popper [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible] The Development of Liberal Arts and Sciences [illegible]

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[1] [illegible] AI: A Modern Approach [illegible]“Aristotle... was the first to formulate a precise set of laws governing the rational part of the mind.”(On page 5)[illegible]

[illegible] Wind Tunnel approach [illegible]
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[2] □□□

□□□

□□

[3] □□□□□ Leucotomy in England and Wales, 1942-1954□□□□ 9284 □□□□□41□□□□□□□□□28□□□□□25□□□□□□□2□□□□4□□□

□□□□□□□□□□□□□□□□□□□□□□□□□□□ personality □ intelligence□□□□□□□ 25□□□□□□□□□□ personality □ intelligence □□□□□□□□□□□□□□□□□□□□ clinical condition □□□□□□□41□□□□□□□□□□ 28□□□□□□□□□□□□□□□ clinical condition □□□□personality □ intelligence □□□□□□□□

□□□leucotomy □□□□□□□□□□□□□□□□□□□□□□

□□□□ Renato M.E. Sabbatini □□□□□□□Even lobotomy's preponents admitted that only one third of the operated patients would improve, while one-third remained the same, and one-third got worst □□□□□□□□□□□ Leucotomy in England and Wales, 1942-1954 □□□□□□□□http://www.cerebromente.org.br/n02/historia/lobotomy.htm□

□□□□ one third would improve □ one-third remained the same□□□□□□□□□□□ clinical condition□□□□ personality □ intelligence □□□□□

□□□□□□□□□□□ personality □ intelligence □□□□□□□□ leucotomy □□□□□□□□□□ BRAIN Initiative □□□□□□□□□□□□□□□□□□□□

[4] □□□

□□□□□□□□□□□□□□□□□□□□□□□□□ peer review□□□ peer review□□□□□□□□□□□□□□□□□□□□□□□□□□□

□□AlphaGo Zero □□□□ superhuman □□□□□□ generic □ human□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ AlphaGo Zero □□□□□□□□□□□□

[5] □□□□ Cracking Go □□□□□□□□□□□□□□□□□□ Deep Blue □□□AlphaGo □□ AlphaGo □□□□□□□□□□□□□□□□□

[6] □□ http://www.alphago-games.com/□AlphaGo Zero □ AlphaGo Zero □□□□□□□□□□□□□□□□□□ https://www.101weiqi.com/chessbook/player/38348/□□□□□□□

[7] AlphaGo Master □□□□□AlphaGo Master □□

[8] http://www.alphago-games.com/ [illegible]Full Strength of Alphago Zero, i.e. Final Form[illegible] 40 Blocks[illegible]20 Blocks [illegible] Not Full Strength of Alphago Zero[illegible] Alphago Zero [illegible]

[9] [illegible]

[illegible]

[illegible] AlphaGo [illegible] Google [illegible] AlphaGo [illegible]AlphaGo Zero[illegible] AlphaGo [illegible]Human level artificial intelligence [illegible] AlphaGo [illegible]

[illegible]

[10] [illegible]Universal approximation theorem [illegible] Turing Machine [illegible]

[11] In God We Trust [illegible] God [illegible] Trust[illegible]

[illegible]In Math We Trust [illegible]In Math We Trust [illegible]

[12] [illegible]

[13] [illegible]

[14] [illegible]

[15] [illegible]

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[16] [illegible]

[illegible]

[17] [illegible] 1819 [illegible] Ferdinand Schweikart [illegible]

[illegible] 1830 [illegible]

[illegible]Ferdinand Schweikart [illegible]

[18] [illegible]·[illegible]“[illegible]”

[illegible]

[19] [illegible]

[illegible]

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[20] [illegible]

[illegible]

[illegible]“[illegible]”[illegible]

[21] [illegible]

[illegible] mainframe[illegible] personal computer[illegible] smartphone[illegible] smartphone [illegible]

[illegible] IT [illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

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[illegible] 100 [illegible] 100 [illegible] 60 [illegible]

[illegible]

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[22] [illegible]·[illegible] BBC [illegible]http://shanghai.xinmin.cn/xmsq/2016/04/18/29861595.html[illegible]

[23] [illegible]

[illegible]